

Title (en)

WORKING FLUID UNIT CONTAINING A TEMPERATURE-SENSITIVE VEHICLE WORKING FLUID

Title (de)

BETRIEBSMITTELEINHEIT MIT EINEM TEMPERATUREMPFINDLICHEN FAHRZEUGBETRIEBSMITTEL

Title (fr)

UNITÉ D'AGENT DE FONCTIONNEMENT CONTENANT UN AGENT DE FONCTIONNEMENT SENSIBLE À LA TEMPÉRATURE POUR VÉHICULE

Publication

EP 2411637 A1 20120201 (DE)

Application

EP 10710152 A 20100304

Priority

- AT 2010000063 W 20100304
- AT 4622009 A 20090324

Abstract (en)

[origin: WO2010108200A1] A working fluid unit (1), comprising a container (2) having a temperature-sensitive vehicle working fluid (3) contained therein, in particular for exhaust gas after-treatment, a container jacket (4) which is open at least on one side and in which the vehicle working fluid (3) is introduced and the opening (6) of which is closed by a container lid (5), wherein the container lid (5) is connected to the container jacket (4) by friction stir welding, magnetic pulse welding, or magnetic pulse crimping, wherein the connecting seam (8) has a distance (A) from the vehicle working fluid (3) that is present.

IPC 8 full level

F01N 3/20 (2006.01); **B23K 20/06** (2006.01); **B23K 20/12** (2006.01)

CPC (source: EP US)

B23K 20/06 (2013.01 - EP US); **B23K 20/1265** (2013.01 - EP US); **F01N 3/2066** (2013.01 - EP US); **F01N 2610/1406** (2013.01 - EP US); **Y02A 50/20** (2017.12 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)

See references of WO 2010108200A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2010108200 A1 20100930; AT 508042 A2 20101015; AT 509006 A1 20110515; AT 509006 B1 20111015; AT 509006 B8 20111115; AT 509007 A1 20110515; AT 509007 B1 20110815; EP 2411637 A1 20120201; US 2012006820 A1 20120112

DOCDB simple family (application)

AT 2010000063 W 20100304; AT 1372011 A 20110202; AT 1382011 A 20110202; AT 4622009 A 20090324; EP 10710152 A 20100304; US 201013257723 A 20100304